

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

07/24/2000 JARTIS 00000094 09616404

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PTO-1556  
(5/87)

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ABSTRACT OF THE DISCLOSURE

An artificial fingernail, fingernail kit and a method of applying the artificial fingernails to natural nails. The artificial fingernail comprises a nail body made from transparent plastic and having a nail bed portion and a nail tip portion. The nail bed portion corresponds in size and shape to the nail bed of a natural fingernail and is applied over a natural fingernail. The nail tip portion contains opaque decorations that obscure a natural nail tip when the artificial fingernail is applied over a natural fingernail. The artificial fingernail is applied to the natural nail with a translucent pink adhesive. This way, the artificial fingernail has the color and appearance of a natural fingernail. This is especially important when doing a french manicure.

UNITED STATES SPECIFICATION

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that I, Yong Jin Chang, a citizen of the United States, having an address of 10 Aldgate West, Manhasset, NY 11030, have invented certain new and useful improvements in an

ARTIFICIAL NAIL AND METHOD OF APPLYING SAME

of which the following is a specification.

## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

This invention relates to an artificial nail and to a method of applying the artificial nail to a natural fingernail. In particular, the invention relates to an artificial nail that has the appearance of a natural nail once it is applied.

### 2. The Prior Art

Traditional artificial fingernails are made of an opaque hard, flexible plastic. They are applied over natural nails with an adhesive and then covered with nail polish. These nails look like natural nails only when covered with polish, because the artificial nails completely obscure the natural nail bed underneath.

Because of the opacity of the artificial nails, a french-style manicure is impossible. A french manicure is one in which only the nail tip is colored, (usually white) and the nail bed is left a natural color or tinted only slightly pink. Attempts at a french manicure with artificial nails do not look natural, because the opaque artificial nail bed portion cannot be made to look like a natural nail bed.

### SUMMARY OF THE INVENTION

It is therefore an object of the invention to provide an artificial nail and a method for applying the nail, in which the natural nail bed is visible, and the entire nail looks as if it were a natural nail.

It is another object of the invention to provide an artificial nail that can be easily applied by a consumer without the need for an experienced nail technician.

It is a further object of the invention to provide an artificial nail that is simple and inexpensive to manufacture.

These and other objects of the invention are accomplished by an artificial fingernail comprising a nail body made from transparent material and having a nail bed portion and a nail tip portion. The nail bed portion corresponds in size and shape to the nail bed of a natural fingernail and is applied over a natural fingernail. The nail tip portion contains opaque decorations that obscure a natural nail tip when the artificial fingernail is applied over a natural fingernail. This way, the artificial fingernail has the color and appearance of a natural fingernail. This is especially important when doing a french manicure.

The artificial nail is preferably made from ABS (acrylonitrile butadiene styrene) plastic. However, other materials could also be used.

To give the appearance of a french manicure, the opaque decorations comprise white paint over the entire nail tip portion. Other decorations could also be done. To give an even more decorative appearance, decorative designs can be applied over all or a portion of the nail. Such designs can include air-brushed or printed flowers, birds, or any other designs. These designs are used in addition to the decoration that covers the area corresponding to a natural nail tip. It is important that the natural nail tip not be visible through the artificial nail, because the artificial nail would not look natural. Only the natural nail bed is visible through the artificial nail.

The artificial nail is preferably coated with a top coat of transparent sealer to protect the decoration and designs. Thus, the nail comes pre-finished and does not need any additional polish once it is applied to the natural fingernails.

The invention also includes an artificial fingernail fingernail kit, comprising at least 10 of the artificial nails described above, along with a portion of a translucent pink

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The artificial nail is preferably coated with a top coat of transparent sealer to protect the decoration and designs. Thus, the nail comes pre-finished and does not need any additional polish once it is applied to the natural fingernails.

The invention also includes an artificial fingernail fingernail kit, comprising at least 10 of the artificial nails described above, along with a portion of a translucent pink

adhesive. The adhesive is preferably an ethylcyanoacrylate, but other adhesives could also be used. The natural nail color is visible through both the adhesive and artificial nail when the artificial nail is applied to a natural nail with the adhesive.

The invention also comprises a method of applying artificial fingernails, comprising applying the translucent pink adhesive to the artificial nail described above, and placing the artificial nail over a natural nail, so that the natural nail bed is visible through the artificial nail and the adhesive.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Other objects and features of the present invention will become apparent from the following detailed description considered in connection with the accompanying drawings. It is to be understood, however, that the drawings are designed as an illustration only and not as a definition of the limits of the invention.

In the drawings, wherein similar reference characters denote similar elements throughout the several views:

FIG. 1 shows a top view of the artificial nail according to the invention;



FIG. 2 shows a side view of the artificial nail as applied to a natural fingernail; and

FIG. 3 shows a schematic cross-sectional view of the layers of natural nail, artificial nail and paint according to the invention.

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring now in detail to the drawings FIGS. 1 and 2 show the artificial nail 10 according to the invention. Artificial nail 10 is made of a transparent plastic and comprises a nail bed portion 11, and a nail tip portion 12. The dividing line 13 between bed portion 11 and tip portion 12 corresponds to the transition of a natural nail from bed to tip. Tip portion 12 is painted with an opaque white paint 15 to resemble a french manicure. Additional designs 14 are applied over the bed portion 11 and tip portion 12 to enhance the nail's appearance.

To apply nail 10 to a natural fingernail, a translucent pink adhesive 18, shown in FIG. 3, is applied to nail bed portion 11, in a conventional manner. Nail 10 is then placed on top of a natural nail 21 on finger 20, as shown in FIGS. 2 and 3. The natural nail tip 22 extends out under tip portion 12, but is not visible through nail 10, due to the

decoration painted on nail tip 12. However, nail bed portion 11 is transparent, and the natural nail bed 21 is visible through bed portion 11. This way, artificial nail 10 resembles a natural nail. Preferably, a transparent top coat sealer 16 is applied over the entire artificial nail to protect decoration 15.

The artificial nails 10 according to the invention are preferably made of ABS plastic, and can be trimmed and filed to a desired size and shape.

Accordingly, while only a single embodiment of the present invention has been shown and described, it is obvious that many changes and modifications may be made thereunto without departing from the spirit and scope of the invention.

WHAT IS CLAIMED IS:

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1. An artificial fingernail, comprising a nail body made from transparent material and having a nail bed portion and a nail tip portion, the nail bed portion corresponding in size and shape to the nail bed of a natural fingernail, and adapted to be adhered to a natural fingernail, and said nail tip portion containing an opaque decoration that obscures a natural nail tip when said artificial fingernail is applied over a natural fingernail.

2. The artificial fingernail according to claim 1, wherein the opaque decoration comprises white paint covering the entire nail tip portion, to give the appearance of a french manicure.

3. The artificial fingernail according to claim 1, further comprising decorative designs applied over the entire fingernail.

4. The artificial fingernail according to claim 1, further comprising a transparent sealer applied over the artificial nail, to protect the decoration.

5. An artificial fingernail kit, comprising:  
at least ten artificial fingernails, each nail comprising a nail body made from transparent plastic and

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having a nail bed portion and a nail tip portion, the nail bed portion corresponding in size and shape to the nail bed of a natural fingernail, and adapted to be adhered to a natural fingernail, wherein said nail tip portion contains an opaque decoration that obscures a natural nail tip when said artificial fingernail is applied over a natural fingernail; and

a translucent pink adhesive, wherein the natural nail color is visible through the adhesive and artificial nail when the artificial nail is applied to a natural nail with the adhesive.

6. A method of applying artificial fingernails, comprising:

applying a translucent pink adhesive to an artificial nail, said artificial nail comprising a nail body made from transparent material and having a nail bed portion and a nail tip portion, the nail bed portion corresponding in size and shape to the nail bed of a natural fingernail, and said nail tip portion containing an opaque decoration that obscures a natural nail tip when said artificial fingernail is applied over a natural fingernail, wherein said adhesive is applied to the nail bed portion only; and

**THE UNIVERSITY OF CHICAGO**

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ARTIFICIAL NAIL AND METHOD OF APPLYING SAME**

the specification of which (check only one item below):

☒ is attached hereto.

☐ was filed as United States application

Serial No. \_\_\_\_\_

on \_\_\_\_\_,

and was amended

on \_\_\_\_\_ (if applicable).

☐ was filed as PCT international application

Number \_\_\_\_\_

on \_\_\_\_\_

and was amended under PCT Article 19

on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER  
CHANG Y-4

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:**

U.S. APPLICATIONS			STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE		PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration numbers):

ALLISON C. COLLARD, Registration No. 22,532;  
EDWARD R. FREEDMAN, Registration No. 26,048;  
ELIZABETH COLLARD RICHTER, Registration No. 35,103

CHRISTOPHER B. GARVEY, Registration No. 31,015  
FREDERICK J. DORCHAK, Registration No. 29,298  
WILLIAM C. COLLARD, Registration No. 38,411

Send Correspondence to: **COLLARD & ROE, P.C.**  
1077 Northern Boulevard  
Roslyn, New York 11576

Direct Telephone Calls to:  
(name and telephone number)  
(516) 365-9802

201	FULL NAME OF INVENTOR	FAMILY NAME CHANG	FIRST GIVEN NAME YONG	SECOND GIVEN NAME JIN
	RESIDENCE & CITIZENSHIP	CITY MANHASSET	STATE OR FOREIGN COUNTRY NEW YORK	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 10 ALDGATE WEST	CITY MANHASSET	STATE & ZIP CODE/COUNTRY NEW YORK 11030
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201

SIGNATURE OF INVENTOR 202

SIGNATURE OF INVENTOR 203

DATE

7/11/00

DATE

DATE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

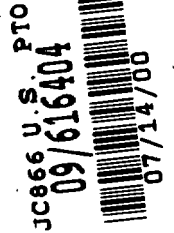
APPLICANT OR PATENTEE: YONG JIN CHANG

SERIAL OR PATENT NO.:

FILED OR ISSUED:

GROUP:

TITLE: ARTIFICIAL NAIL AND METHOD OF APPLYING SAME



SMALL ENTITY DECLARATION

☐ FOR INDEPENDENT INVENTOR(S)

As a below-named inventor, I hereby declare that I am an independent inventor who (1) has not assigned, granted, conveyed, or licensed, and (2) is under no obligation under contract or law, to assign, grant, convey, or license, any rights in the invention, to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization, as defined in 37 CFR 1.9(c).

☒ FOR SMALL BUSINESS CONCERN

I hereby declare that Kiss Products, Inc. is a business concern which qualifies as a small business concern as defined in §1.9(d) - namely, (1) whose number of employees, including those of its affiliates, does not exceed 500 persons; and (2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section; and that the exclusive rights to the invention have been conveyed to and remain with the above-identified small business concern.

I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful, false statements and the like, so made, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the patent application or any patent issuing thereon.

Each of the undersigned hereby grants the firm of **COLLARD & ROE, P.C.**, 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Small Entity Declaration any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for filing and acceptance of this Declaration.

SMALL BUSINESS CONCERN:

By:

Richard K. Kim  
Name: RICHARD K. KIM  
Title: CHIEF FINANCIAL OFFICER  
Date: 7/11/00

07/14/00

JC880 U.S. PTO

07-17-00

A

## PATENT APPLICATION TRANSMITTAL LETTER

ATTORNEY'S DOCKET NO.  
CHANG Y-4

## TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Transmitted herewith for filing is a patent application of YONG JIN CHANG  
FOR: ARTIFICIAL NAIL AND METHOD OF APPLYING SAME

## ENCLOSED ARE:

- ☒ 1 sheet(s) of formal drawing(s)  
☐ sheet(s) of informal drawing(s)  
☒ an Assignment of the invention, with required cover sheet, to  
Kiss Products, Inc.  
☐ Priority is claimed under 35 USC 119 for the following application(s):  
☐ a certified copy of the aforesaid application is enclosed.  
☐ a certified copy of the aforesaid application will be submitted in due course.  
☐ Associate Power of Attorney enclosed.

## CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
TOTAL CLAIMS	6 - 20	0	X \$ 18.00	\$ 0.00
INDEPENDENT CLAIMS	3 - 3	0	X \$ 78.00	\$ 0.00

BASIC FEE (\$690)

REDUCED FEE (\$345) ☐ Independent Inventor ☒ Small Business Concern \$345.00

TOTAL FILING FEE: \$345.00

- ☒ Verified Statement of ☐ Independent Inventor ☒ Small Business Concern  
☒ The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, except for the Base Issue Fee, or credit any overpayment to Deposit Account No. 03-2468. A duplicate copy of this sheet is enclosed.  
☒ A Check in the amount of \$ 345.00 is enclosed. This check covers:  
☒ the filing fee  
☐ the filing fee and the Assignment recordal fee.  
☐ Other \_\_\_\_\_

July 14, 2000

Date

*Edward R. Freedman*  
 Allison C. Collard, Reg. No. 22,532  
 Edward R. Freedman, Reg. No. 26,048  
 COLLARD & ROE, P.C.  
 1077 Northern Boulevard  
 Roslyn, New York 11576-1696  
 Telephone: (516) 365-9802

"EXPRESS MAIL" NO. EL 621 967 586 USDate of Deposit July 14, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Ingrid Mittendorf

JC866 U.S. PTO  
09/616404

07/14/00

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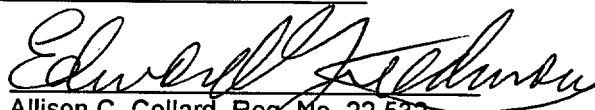
BASIC FEE (\$690)

REDUCED FEE (\$345) ☐ Independent Inventor ☒ Small Business Concern \$345.00TOTAL FILING FEE: **\$345.00**

- ☒ Verified Statement of ☐ Independent Inventor ☒ Small Business Concern  
☒ The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, except for the Base Issue Fee, or credit any overpayment to Deposit Account No. 03-2468. A duplicate copy of this sheet is enclosed.  
☒ A Check in the amount of \$345.00 is enclosed. This check covers:  
☒ the filing fee  
☐ the filing fee and the Assignment recordal fee.  
☐ Other

July 14, 2000

Date

  
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Ingrid Mittendorf

JC866 U.S. PTO

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